

Appl. No. 10/015,455

Amendment dated November 7, 2003

Reply to Office Action of August 7, 2003

**Amendments to Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended) An apparatus for enabling a physically-challenged person to receive vestibular motion therapy ~~while riding a carriage device~~, comprising:
- an amusement-type carriage device;
- an adjustable torso support mounted on the amusement-type carriage device for providing lateral support to the physically-challenged person while seated on the amusement-type carriage device when the amusement-type carriage device is operating; and
- an adjustable headrest support mounted on the amusement-type carriage device for providing head and neck support to the physically-challenged person.
2. (original) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 1 further comprising a lap belt for securely positioning the physically-challenged person inside the torso support.
3. (original) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 1 wherein the torso support comprises:

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a pair of rotatable support arms;

a plurality of vertically-mounted spine rods secured by a plurality of locking screws for adjusting the height of the pair of support arms to accommodate the physically-challenged person;

a pair of adjustable hand brackets fastened to the pair of rotatable support arms;

and

a pair of hand pads attached to the hand brackets and secured around the torso of the physically-handicapped person underneath the arms on each side of the rib cage.

4. (original) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 1 wherein the adjustable headrest support comprises:

an adjustable headrest assembly attached to a headrest rod for adjusting the depth of the headrest assembly;

a headblock attached to the headrest rod by a clamping knob for adjusting the height of the headrest assembly.

5. (currently amended) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 1 further comprising a head switch for starting the operation of the amusement-type carriage device.

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6. (currently amended) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 1 further comprising a control panel for setting the run time of the amusement-type carriage device.
7. (currently amended) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 7 wherein the control panel includes a timer relay for delaying the time between activation cycles of the amusement-type carriage device.
8. (currently amended) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 1 wherein the amusement-type carriage device is a modified Marsupilami device.
9. (currently amended) An apparatus for enabling a physically-challenged person to receive vestibular motion therapy ~~while riding a carriage device~~, comprising:
- an amusement-type carriage device;
  - an adjustable seat attached to a base of the amusement-type carriage device by a spring mechanism and providing back support;
  - an adjustable torso and hip support mounted on the amusement-type carriage device for providing lateral support to the physically-challenged person while seated on the amusement-type carriage device when the amusement-type carriage device is operating; and

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an adjustable headrest support mounted on the amusement-type carriage device for providing head and neck support to the physically-challenged person.

10. (original) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 9 further comprising an adjustable shoulder strap for securing the physically-challenged person in a stable, upright condition during operation.
11. (original) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 9 wherein the torso and hip support comprises:
- a pair of rotatable support arms;
  - a plurality of vertically-mounted spine rods secured by a plurality of locking screws for adjusting the height of the pair of support arms to accommodate the physically-challenged person;
  - a pair of adjustable hand brackets fastened to the pair of rotatable support arms;
  - and
  - a pair of hand pads attached to the hand brackets and secured around the torso of the physically-handicapped person underneath the arms on each side of the rib cage.
12. (original) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 9 wherein the adjustable headrest support comprises:

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an adjustable headrest assembly attached to a headrest rod for adjusting the depth  
of the headrest assembly;

a headblock attached to the headrest rod by a clamping knob for adjusting the  
height of the headrest assembly.

13. (currently amended) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 9 further comprising a head switch for starting the operation of the amusement-type carriage device.
14. (currently amended) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 9 further comprising a control panel for setting the run time of the amusement-type carriage device.
15. (currently amended) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 14 wherein the control panel includes a timer relay for delaying the time between activation cycles of the amusement-type carriage device.
16. (currently amended) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 9 wherein the amusement-type carriage device is a rocking horse type device.

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17. (new) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 1 wherein the amusement-type carriage device operates to provide at least one of pitch, roll, and yaw motion in three-dimensional space.
18. (new) The apparatus for enabling a physically-challenged person to receive vestibular motion therapy of claim 9 wherein the amusement-type carriage device operates to provide at least one of pitch, roll, and yaw motion in three-dimensional space.